

[illegible]

EXE

Mod

EDT

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EDSYN  
LBA

110

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LLLLLLLLLLL IIIII
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```



```
0001 0 %TITLE 'WORKIO - module for all i/o to workfile'
0002 0 MODULE EDT$WORKIO (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This is the basic file i/o routine used by EDT.
0037 1
0038 1 ENVIRONMENT: Runs on Vax/Vms
0039 1
0040 1 AUTHOR: Shelly T. Solomon, CREATION DATE: 29-JAN-1982
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. STS 29-Jan-1982
0045 1 1-002 - Change parameter passed to edt$wf_rd on 11's STS 16-Feb-1982
0046 1 1-003 - Pass address of record desc to edt$wf_rd. STS 26-Feb-1982
0047 1 1-004 - Add literals for callable EDT. STS 08-Mar-1982
0048 1 1-005 - Return correct status to caller. STS 10-Mar-1982
0049 1 1-006 - Fix module name and standardize appearance. JBS 07-Apr-1982
0050 1 1-007 - Return status from closing work file. JBS 12-Apr-1982
0051 1 1-008 - Don't use special linkage on 11's. STS 03-Jun-1982
0052 1 1-009 - Don't need special linkage on VAX-11 either. JBS 22-Mar-1983
0053 1
0054 1
```

EDT\$WORKIO  
V04-000

WORKIO - module for all i/o to workfile  
Declarations

G 2  
16-Sep-1984 02:17:46  
14-Sep-1984 12:25:50

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DISK\$VMSMASTER:[EDT.SRC]WORKIO.BLI;1 Page 2  
(2)

```

56      0055 1 %SBTTL 'Declarations'
57      0056 1
58      0057 1 TABLE OF CONTENTS:
59      0058 1
60      0059 1
61      0060 1 REQUIRE 'EDT$SRC:TRAROUNAM';
62      0499 1
63      0500 1 FORWARD ROUTINE
64      0501 1 EDT$WORKIO;
65      0502 1
66      0503 1
67      0504 1 INCLUDE FILES:
68      0505 1
69      0506 1
70      0507 1 REQUIRE 'EDT$SRC:EDTREQ';
71      0642 1
72      L 0643 1 %IF %BLISS (BLISS32)
73      0644 1 %THEN
74      0645 1
75      0646 1 REQUIRE 'EDT$SRC:SYSSYM';
76      0676 1
77      0677 1 %FI
78      0678 1
79      0679 1
80      0680 1 MACROS:
81      0681 1
82      0682 1 NONE
83      0683 1
84      0684 1 EQUATED SYMBOLS:
85      0685 1
86      0686 1
87      L 0687 1 %IF %BLISS (BLISS32)
88      0688 1 %THEN
89      0689 1
90      0690 1 LITERAL
91      0691 1 EDT$K_FAC_NO = 133;
92      0692 1
93      0693 1 %FI
94      0694 1
95      0695 1 LITERAL
96      0696 1 EDT$K_OPEN_IN_OUT = 4;
97      0697 1 EDT$K_GET = 5;
98      0698 1 EDT$K_PUT = 6;
99      0699 1 EDT$K_CLOSE_DEL = 7;
100     0700 1
101     0701 1
102     0702 1
103     0703 1 FIELDS:
104     0704 1
105     0705 1 NONE
106     0706 1
107     0707 1 PSECTS:
108     0708 1
109     0709 1 none
110     0710 1
111     0711 1 OWN STORAGE:
112     0712 1
```



EDT\$WORKIO  
V04-000

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DISK\$VMSMASTER:[EDT.SRC]WORKIO.BLI;1 Page 3 (2)

```

: 113      0713 1 | in the routine
: 114      0714 1 |
: 115      0715 1 | EXTERNAL REFERENCES:
: 116      0716 1 |
: 117      0717 1 | in the routine
: 118      0718 1 |

```

```
120 0719 1 %SBTTL 'EDT$WORKIO - Basic EDT workfile routine'
121 0720 1
122 0721 1 GLOBAL ROUTINE EDT$WORKIO (
123 0722 1     CODE,
124 0723 1     RECORD_NO,
125 0724 1     RECORD_DESC
126 0725 1 ) =
127 0726 1
128 0727 1 ++
129 0728 1 FUNCTIONAL DESCRIPTION:
130 0729 1
131 0730 1 This is the basic work file i/o routine for EDT. Callable EDT calls this
132 0731 1 routine to do any i/o to or from the workfile if this is the routine passed to it by the calling
133 0732 1 program. This is the routine passed to callable EDT by the "real" EDT.
134 0733 1
135 0734 1 CALLING SEQUENCE:
136 0735 1
137 0736 1     ret_status.wlc.v = EDT$WORKIO (code.rl.r, record_no.rl.r, record_desc.rbu.dx)
138 0737 1
139 0738 1 FORMAL PARAMETERS:
140 0739 1
141 0740 1 code = a code specifying what kind of i/o operation on the workfile
142 0741 1 is desired
143 0742 1
144 0743 1 record_no = for gets and puts this is the bucket number
145 0744 1
146 0745 1 record_desc = for gets and puts a descriptor pointing to the contents
147 0746 1 of the bucket
148 0747 1
149 0748 1 IMPLICIT INPUTS:
150 0749 1
151 0750 1     NONE
152 0751 1
153 0752 1 IMPLICIT OUTPUTS:
154 0753 1
155 0754 1     NONE
156 0755 1
157 0756 1 COMPLETION STATUS:
158 0757 1
159 0758 1     Normally $$$_NORMAL
160 0759 1
161 0760 1 SIDE EFFECTS:
162 0761 1
163 0762 1     NONE
164 0763 1
165 0764 1 --
166 0765 1
167 0766 2 BEGIN
168 0767 2
169 0768 2 MAP
170 0769 2     RECORD_DESC : REF BLOCK [8, BYTE];
171 0770 2
172 0771 2 EXTERNAL ROUTINE
173 0772 2     EDT$$WF_OPN,
174 0773 2     EDT$$WF_CLS,
175 0774 2     EDT$$WF_WR,
176 0775 2     EDT$$WF_RD;
```

```
! Basic EDT workfile routine
! Operation to perform
! record number to perform it on
! Descriptor for the record
```

```
! open the workfile
! close the workfile
! write a record to the work file
! read a record from the workfile
```



```
177 0776 2
178 0777 22    MESSAGES ((WRKFILOVF, INTERERR, IOERRWRK));
179 0778 22
180 0779 22    LOCAL
181 0780 22        STATUS,
182 0781 22        IO_STS,
183 0782 22        IO_STV;
184 0783 22
185 0784 22    CASE .CODE FROM EDT$K_OPEN_IN_OUT TO EDT$K_CLOSE_DEL OF
186 0785 22        SET ! over all the code options
187 0786 22
188 0787 22        [EDT$K_OPEN_IN_OUT] : ! open for input and output.
189 0788 22            BEGIN
190 0789 22                STATUS = EDT$$WF_OPN ();
191 0790 22                RETURN (.STATUS);
192 0791 22            END;
193 0792 22
194 0793 22        [EDT$K_GET] : ! we wish to get a record from a file
195 0794 22            BEGIN
196 0795 22
197 L 0796 22        %IF %BLISS (BLISS32)
198 0797 22        %THEN
199 0798 22            EDT$$WF_RD (.RECORD_NO, .RECORD_DESC);
200 0799 22        %ELSE
201 U 0800 22            EDT$$WF_RD (.RECORD_NO, RECORD_DESC [DSC$A_POINTER]);
202 0801 22        %FI
203 0802 22
204 0803 22            RETURN (1);
205 0804 22            END;
206 0805 22
207 0806 22        [EDT$K_PUT] : ! we wish to put a record to a file
208 0807 22            BEGIN
209 0808 22
210 L 0809 22        %IF %BLISS (BLISS32)
211 0810 22        %THEN
212 0811 22            EDT$$WF_WR (.RECORD_NO, .RECORD_DESC);
213 U 0812 22        %ELSE
214 U 0813 22            EDT$$WF_WR (.RECORD_NO);
215 0814 22        %FI
216 0815 22
217 0816 22            RETURN (1);
218 0817 22            END;
219 0818 22
220 0819 22        [EDT$K_CLOSE_DEL] :
221 0820 22            BEGIN
222 0821 22                STATUS = EDT$$WF_CLS ();
223 0822 22                RETURN (.STATUS);
224 0823 22            END;
225 0824 22
226 0825 22        [INRANGE, OUTRANGE] :
227 0826 22            ASSERT (0);
228 0827 22        TES;
229 0828 22
230 0829 22    RETURN (1);
231 0830 1    END; ! End of routine EDT$WORKIO
```

EDT\$WORKIO  
V04-000

WORKIO - module for all i/o to workfile  
EDT\$WORKIO - Basic EDT workfile routine

K 2  
16-Sep-1984 02:17:46  
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:

0034	03 0027	04 001A	04 0011	0004 BC	00000 CF	00002 00007	1\$:
				00	FB	0000F	
				2E	11	00016	
				00	FB	00018	2\$:
				21	11	0001F	
			08	AC	7D	00021	3\$:
				02	FB	00025	
				18	11	0002C	
			08	AC	7D	0002E	4\$:
				02	FB	00032	
				0B	11	00039	
				00	FB	0003B	5\$:
				52	D0	00042	6\$:
					04	00045	
			01	D0	00046		7\$:
				04	00049		

.TITLE EDT\$WORKIO WORKIO - module for all i/o to workf  
ile

.IDENT \V04-000\

.EXTRN EDT\$\$WF\_OPN, EDT\$\$WF\_CLS  
.EXTRN EDT\$\$WF\_WR, EDT\$\$WF\_RD  
.EXTRN EDT\$\_WRRFILOVF, EDT\$ INTERERR  
.EXTRN EDT\$\_IOERRWRK, EDT\$\$INTER\_ERR

.PSECT \_EDT\$CODE, NOWRT, SHR, PIC, 2

.ENTRY EDT\$WORKIO, Save R2

CASEL @CODE, #4, #3

.WORD 2\$-1\$,-

3\$-1\$,-

4\$-1\$,-

5\$-1\$

CALLS #0, EDT\$\$INTER\_ERR

BRB 7\$

CALLS #0, EDT\$\$WF\_OPN

BRB 6\$

MOVQ RECORD NO, -(SP)

CALLS #2, EDT\$\$WF\_RD

BRB 7\$

MOVQ RECORD NO, -(SP)

CALLS #2, EDT\$\$WF\_WR

BRB 7\$

CALLS #0, EDT\$\$WF\_CLS

MOVL R0, STATUS

RET

MOVL #1, R0

RET

: 0721  
: 0784

: 0826  
: 0784  
: 0789

: 0798

: 0803  
: 0811

: 0816  
: 0821

: 0822  
: 0829  
: 0830

; Routine Size: 74 bytes, Routine Base: \_EDT\$CODE + 0000

: 232  
: 233  
0831 1  
0832 1 !<BLF/PAGE>



EDT\$WORKIO  
V04-000

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L 2  
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DISK\$VMSMASTER:[EDT.SRC]WORKIO.BLI;1

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: 235 0833 1 END  
: 236 0834 1  
: 237 0835 0 ELUDOM

End of module EDT\$WORKIO

# PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	74	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

# Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	2	0	40	00:00.2
\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:04.1

# COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:WORKIO/OBJ=OBJ\$:WORKIO MSRC\$:WORKIO.BLI/UPDATE=(ENHS\$:WORKIO)

: Size: 74 code + 0 data bytes  
: Run Time: 00:16.6  
: Elapsed Time: 00:23.3  
: Lines/CPU Min: 3023  
: Lexemes/CPU-Min: 8353  
: Memory Used: 82 pages  
: Compilation Complete



0142 AH-BT13A-SE  
VAX/VMS V4.0

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